

Claims

1. A method of protection against the copying of digital data stored on an information carrier consisting in delivering a permission or a prohibition to copy and/or to play said digital data as a function of the identification or otherwise of at least two elements from:

- an encryption of said digital data;
- 10 - a watermarking of said digital data; ✓
- a recordable or non-recordable type of said information carrier;
- a cryptographic signature accompanying said digital data. ✓

Sub A3¹⁵ 2. The method as claimed in claim 1, characterized in that a permission for digital copying (22) is delivered (21) when:

- an encryption (2) of said digital data has been identified;
- 20 - a watermarking (3) of said digital data has been identified;
- a non-recordable type of carrier (11) has been identified; and
- a cryptographic signature (16) accompanying
- 25 said digital data has been identified.

3. The method as claimed in claim 1, characterized in that a permission for digital copying (22) is delivered (25) when:

- 30 - an encryption (2) of said digital data has not been identified; and
- a watermarking (3) of said digital data has not been identified.

4. The method as claimed in claim 1, characterized in that a prohibition of playing (24) of

35 said digital data is delivered when:

- an encryption (2) of said digital data has not been identified; and
- a watermarking (3) of said digital data has been identified.

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5. The method as claimed in claim 1, characterized in that a prohibition of copying (27) is delivered (26) when:

- an encryption (2) of said digital data has been identified;

- a watermarking (3) of said digital data has been identified; and

- a recordable type of carrier (11) has been identified.

6. The method as claimed in claim 1, characterized in that a prohibition of copying (27) is delivered (28) when:

- an encryption (2) of said digital data has been identified;

- a watermarking (3) of said digital data has been identified;

- a non-recordable type of carrier (11) has been identified; and

- no cryptographic signature (16) accompanying said digital data has been identified.

7. The method as claimed in one of claims 1, 2, 5 or 6, characterized in that it comprises:

- a conversion (30) of the digital data (29) into analog signals (31); and

- a corruption (33) of the analog signals if a prohibition of digital copying (27) is delivered.

8. The method of protection according to either of claims 5 or 6, characterized in that the prohibition of digital copying (27) comprises a blocking (35) of output of the digital data.

9. A device for playing digital data stored on an information carrier comprising at least:

- a digital output (43) for delivering signals representative of the digital data upon playing said digital data;

an analog output (44) for delivering analog signals representative of the digital data upon playing said digital data;

means (45) for detecting:

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- an encryption of said digital data;
- a watermarking of said digital data;
- a recordable or non-recordable type of
said information carrier;

5 - a cryptographic signature accompanying
said digital data;

- a system for decrypting said digital
data when an encryption is detected;

10 a system for protection (46) against the copying
of said digital data receiving signals from said
detection means (45) and generating a copy permission
signal (22) or a copy prohibition signal (27) by
employing the method according to one of claims 2 and 4
to 6;

15 recording control means (47) blocking the signals
delivered at the digital output (43) when said control
means receive a copy prohibition signal (27) from the
protection system (46);

20 a system for protection (46) of playing receiving
signals from said detection means (45) and generating a
playing prohibition signal (24) by employing the method
according to claim 3; and

25 playing control means (48) interrupting the
playing of the data or their output to the analog
output (44) when said monitoring means receive a
playing prohibition signal from the protection system
(46).

2025 RELEASE UNDER E.O. 14176